

PATENT CLAIMS

1. A device for feedthrough of an electrical conductor from one area to another area, where the two areas are preferably at different pressures, where the device comprises a base plate/dividing plate (10) through which at least one penetrator (101-105) is passed,
5 characterised in that the at least one penetrator comprises;
- a bore (120) for receiving a conductor (121, 122, 123), for example a copper conductor,
- a first part (111) with a first shoulder surface (114), and a second part (116) with a
10 second shoulder surface (117) where the shoulder surfaces are designed to abut against each side of the plate (10), and
- at least one spring device which is arranged to keep the shoulder surfaces (114, 117) clamped against the base plate (10).
2. A device according to claim 1,
15 characterised in that it comprises at least one shrink sleeve (123, 145) for connection to an external cable.
3. A device according to claim 1 or 2,
characterised in that it comprises external protective cases mounted at each end.
4. A device according to one of the claims 1- 3,
20 characterised in that it comprises a nut (144) for pretensioning of the spring device.
5. A device according to claim 4,
characterised in that the nut (144) is screwed into the end of the conductor (121).
6. An underwater electrical actuator comprising a motor unit and a control unit, where the motor unit is at ambient pressure and the control unit is at atmospheric
25 pressure, a dividing plate (10) through which one or more penetrators (101-105) are passed being mounted between the control unit and the motor unit,
characterised in that each penetrator comprises
- a bore (120) for receiving a conductor (121, 122, 123), for example a copper
30 conductor,
- a first part (111) with a first shoulder surface (114), and a second part (116) with a second shoulder surface (117) where the shoulder surfaces are designed to abut against each side of the plate (10), and
- at least one spring device which is arranged to keep the shoulder surfaces (114, 117) clamped against the base plate (10).
7. An underwater electrical actuator according to claim 6,
35 characterised in that it also comprises an additional penetrator for signal cables.

8. An underwater electrical actuator according to claim 6 or 7, characterised in that the at least one penetrator (101-105) transmits high-voltage current between the control unit (11) and the motor unit.